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(PCT Administrative Instructions, Section 411)

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Date of mailing (day/month/year) 25 September 2003 (25.09.03)	IMPORTANT NOTIFICATION	
Applicant's or agent's file reference PCT-03-002		
International application No. PCT/JP03/09053	International filing date (day/month/year) 16 July 2003 (16.07.03)	
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 18 July 2002 (18.07.02)	
Applicant MATSUURA, Kazumasa		

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
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3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
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<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
18 July 2002 (18.07.02)	2002-209494	JP	05 Sept 2003 (05.09.03)
07 May 2003 (07.05.03)	2003-129359	JP	05 Sept 2003 (05.09.03)

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/09053

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> B23D47/12, B24B27/06, B28D1/04, E02F3/36

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> B23D47/00, B24B27/06, B28D1/00, E02F3/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003

Kokai-Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 171442/1975 (Laid-open No. 82286/1977) (Toda Corp.), 20 June, 1977 (20.06.77), Claims; Figs. 1 to 2 (Family: none)	1-4, 6-15 5, 16
Y A	US 3468351 A (MCCULLOCH CORP.), 23 September, 1969 (23.09.69), Claims; Figs. 1 to 4 & JP 48-21558 B1	1-4, 6-15 5, 16
Y	EP 665077 A1 (KANZAKI KOKYUKOKI MFG. CO., LTD.), 02 August, 1995 (02.08.95), Claims; Fig. 4 & JP 7-24634 A	1-4, 6-15

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search  
05 August, 2003 (05.08.03)

Date of mailing of the international search report  
19 August, 2003 (19.08.03)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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TRADE MARK OFFICE

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/JP03/09053

(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 4-193414 A (Nissan Motor Co., Ltd.), 13 July, 1992 (13.07.92), Claims; Fig. 4 (Family: none)	1-4, 6-15
Y	JP 11-48033 A (Kabushiki Kaisha Horinouchi), 23 February, 1999 (23.02.99), Claims; Figs. 1 to 3 (Family: none)	8-12
Y	JP 7-88010 B2 (Shibaura Engineering Works Co., Ltd.), 27 September, 1995 (27.09.95), Claims; Fig. 1 (Family: none)	8-12